



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Group Art Unit: 2823

**Examiner:** Julio J. Maldonado

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**CERTIFICATE OF MAILING**  
**37 CFR 1.8**

3/21/05  
Date

**Signature**

## SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

The Applicants, and the Attorney who signs below on the basis of the information supplied by the inventor and the information in his file, submit herewith patents, publications, or other information of which they are aware, which may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR § 1.56.

While the information submitted in this Supplemental Information Disclosure Statement may be material pursuant to 37 CFR § 1.56, it is not intended to constitute an admission that any patent, publication, or other information referred to therein is prior art for this invention unless specifically designated as such.

In accordance with 37 CFR § 1.97, this Supplemental Information Disclosure Statement is not to be construed as a representation that a search has been made or that no other possibly material information as defined under 37 CFR § 1.56(a) exists.

The patents and/or publications submitted herewith are set forth on the attached Form PTO-1449.

The Commissioner is hereby authorized to charge the sum of \$180.00 due under 37 CFR § 1.17(p) pursuant to § 1.97, and any other fee necessary to make this submission timely, to the Deposit Account No. 20-0782/AMAT/2592.C7/KMT.

Respectfully submitted,

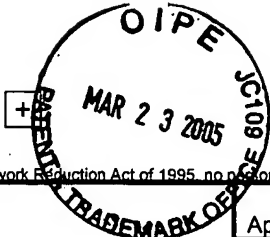


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PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

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# **SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

1

of

2

Application Number

10/756,122

Filing Date

JANUARY 13, 2004

First Named Inventor

YAU, ET AL.

Group Art Unit

2823

Examiner Name

JULIO J. MALDONADO

Attorney Docket Number

AMAT/2592.C7/DSM/LOW K/JW

Submission Date

3/21, 2005

## **U.S. PATENT DOCUMENTS**

| Examiner Initials* | Cite No. <sup>1</sup> | Document Number                          | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|--------------------|-----------------------|------------------------------------------|--------------------------------|----------------------------------------------------|---------------------------------------------------------------------------------|
|                    |                       | Number-Kind Code <sup>2</sup> (if known) |                                |                                                    |                                                                                 |
|                    | A1                    | US-5,000,113                             | 03/19/1991                     | WANG, ET AL.                                       |                                                                                 |
|                    | A2                    |                                          |                                |                                                    |                                                                                 |
|                    | A3                    |                                          |                                |                                                    |                                                                                 |
|                    | A4                    |                                          |                                |                                                    |                                                                                 |
|                    | A5                    |                                          |                                |                                                    |                                                                                 |
|                    | A6                    |                                          |                                |                                                    |                                                                                 |
|                    | A7                    |                                          |                                |                                                    |                                                                                 |
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|                    | A16                   |                                          |                                |                                                    |                                                                                 |
|                    | A17                   |                                          |                                |                                                    |                                                                                 |
|                    | A18                   |                                          |                                |                                                    |                                                                                 |

## **FOREIGN PATENT DOCUMENTS**

| Examiner Initials* | Cite No. <sup>1</sup> | Foreign Patent Document                                                           | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages or<br>Relevant Figures Appear | T <sup>6</sup> |
|--------------------|-----------------------|-----------------------------------------------------------------------------------|--------------------------------|----------------------------------------------------|---------------------------------------------------------------------------------|----------------|
|                    |                       | Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known) |                                |                                                    |                                                                                 |                |
|                    | B1                    | EP 1 123 991 A2                                                                   | 08/16/2001                     | MICHAEL A. TODD                                    |                                                                                 |                |
|                    | B2                    | EP 0 960 958 A2                                                                   | 12/01/1999                     | LOBODA, ET AL.                                     |                                                                                 |                |
|                    | B3                    | WO 94/01885 A1                                                                    | 01/20/1994                     | DOBSON, ET AL.                                     |                                                                                 |                |
|                    | B4                    |                                                                                   |                                |                                                    |                                                                                 |                |
|                    | B5                    |                                                                                   |                                |                                                    |                                                                                 |                |

Examiner

Date Considered

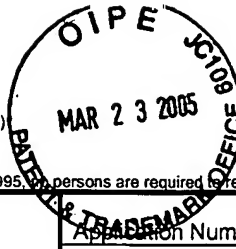
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# **SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

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Sheet 2

of 2

|                        |                           |
|------------------------|---------------------------|
| Application Number     | 10/756,122                |
| Filing Date            | JANUARY 13, 2004          |
| First Named Inventor   | YAU, ET AL.               |
| Group Art Unit         | 2823                      |
| Examiner Name          | JULIO J. MALDONADO        |
| Attorney Docket Number | AMAT/2592.C7/DSM/LOW K/JW |
| Submission Date        | 3/21, 2005                |

## **NON PATENT LITERATURE DOCUMENTS**

| Examiner Initials* | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published | T <sup>2</sup> |
|--------------------|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
|                    | C1                    | BAKLI, ET AL., "Materials and Processing for .025 µm Multilevel Interconnect," Microelectronic Engineering 33 (1997) pp. 175-188.                                                                                                                              |                |
|                    | C2                    | BHAN, ET AL., "Deposition of Stable Low K and High Deposition Rate SiF <sub>4</sub> -Doped TEOS Fluorinated Silicon Dioxide (SiOF) Films," Thin Solid Films 308-309 (1997) pp. 507-511.                                                                        |                |
|                    | C3                    | C.F. LIN, ET AL., "Improved Ozone-Tetraethoxysilane Oxide Reliability for Deep Submicron Inter-Metal Dielectric Applications by Deposition of a Silane-Based Oxide Underlayer," Thin Solid Films 308-309 (1997) pp. 621-626.                                   |                |
|                    | C4                    | European Search Report from European Patent Office for 99906897.6 (2592.EP), dated 01/10/2005.                                                                                                                                                                 |                |
|                    | C5                    |                                                                                                                                                                                                                                                                |                |
|                    | C6                    |                                                                                                                                                                                                                                                                |                |
|                    | C7                    |                                                                                                                                                                                                                                                                |                |
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|                    | C10                   |                                                                                                                                                                                                                                                                |                |
|                    | C11                   |                                                                                                                                                                                                                                                                |                |

Examiner

Date Considered

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